GOVERNMENT OF INDIA
WATER RESOURCES, RIVER DEVELOPMENT AND GANAGA REJUVENATION
LOK SABHA

STARRED QUESTION NO:237
ANSWERED ON:01.12.2016
Cleaning of Yamuna River
Kishore Shri Kaushal

Will the Minister of WATER RESOURCES, RIVER DEVELOPMENT AND GANAGA REJUVENATION be pleased to state:

(a) the sources of water pollution in the Yamuna river along with the details of quality of its water at different places in the country;

(b) the details of ongoing schemes to make the Yamuna river pollution free and the success achieved as a result of the same along with the funds spent in this regard during the last three years and the current year; and

(c) whether the immersion of idols, flowers and pooja material into the rivers including Yamuna increase pollution level, and if so, the details of the steps taken to tackle the situation along with other means suggested for disposal of such material?

Answer

THE MINISTER FOR WATER RESOURCES, RIVER DEVELOPMENT AND GANGA REJUVENATION
(SUSHRI UMA BHARTI)
(a) To (c) A statement is laid on the Table of the House.

Statement referred to in reply to parts (a) to (c) of Lok Sabha Starred Question No.237 (Priority) to be answered on Thursday, the 1st December, 2016 on "Cleaning of Yamuna River" raised by SHRI KAUSHAL KISHORE

(a) Discharge of sewage and industrial effluents and over-exploitation of fresh water from the river are the main reasons of deterioration of Yamuna river water quality. Central Pollution Control Board (CPCB) monitors the water of river Yamuna at various locations from Yamunotri to Allahabad. The water quality status of river Yamuna at various locations is annexed as Annexure-I.

(b) Conservation of rivers is an ongoing and collective effort of the Central and State Governments. It is the responsibility of State Governments/concerned local bodies to set up proper facility for collection and treatment of sewage being generated and ensure that the untreated sewage does not fall into the rivers, thereby polluting them. The Central Government is supplementing the efforts of the State Governments in addressing the problem of pollution of river Yamuna by providing financial assistance to U.P., Delhi and Haryana under Yamuna Action Plan (YAP). The total expenditure of Rs.1514.43 crore (including State share) has been incurred on schemes pertaining to sewerage/interception and diversion of drains, rehabilitation/upgradation of existing sewage treatment plants (STPs) and construction of new STPs, low-cost sanitation/community toilet complexes, crematoria, etc. under YAP Phase I and II in the 3 States. Sewage treatment capacity of 942.25 million litres per day has been created under YAP so far.

Further, YAP Phase III project for Delhi has been approved with an estimated cost of Rs.1656 crore. Under the project, Delhi Jal Board (DJB) is implementing rehabilitation of existing trunk sewers and rising mains, upgradation/modernization of existing STPs.

Other than YAP projects, 2 projects are under implementation in Sonepat and Panipat towns at a total cost of Rs.217.87 crore for pollution abatement of river Yamuna. An amount of Rs.125.66 crore has been released by the Ministry towards implementation of above 2 projects. Funds released in last 3 years and current financial year is given in the table below:

Year	Haryana	Delhi
2013-2014	Rs.10.00 crore	-
2014-2015	Rs.10.46 crore	-
2015-2016	Rs.30.00 crore	Rs.4.96 crore
2016-2017 (till October, 2016)	Rs.37.00 crore	-
Total:	Rs.87.46 crore	Rs.4.96 crore

Contd.p/2

(c) Yes, Madam. Immersion of idols during festival season does increase pollution in the rivers. CPCB has developed guidelines for idol immersion. The guidelines include making of idols from natural materials, encouraging the use of traditional clay in place of baked clay and plaster of Paris, use of water soluble and non-toxic natural dyes for painting of idol, removal of worship materials like flowers, clothes, etc. before immersion for recycling or composting. Educating public through mass awareness programmes is also important to reduce pollution on account of immersion of idols and other puja materials in the river.

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Annexure

Annexure referred to in reply of Lok Sabha starred Question No.237 due for reply on 01.12.2016
WATER QUALITY OF RIVER YAMUNA
STATION CODE LOCATIONS STATE TEMP. ÂºC D.O. (mg/l) pH CONDUCTIVITY (Âµmhos/cm) B.O.D. (mg/l) NITRATE- N+ NITRITE-N (mg/l) FECAL COLIFORM (MPN/100ml) TOTAL COLIFORM (MPN/100ml)
Min Max Min Max Min Max Min Max Min Max Min Max Min Max Min Max
WATER QUALITY CRITERIA > 4 mg/l 6.5-8.5 < 3 mg/l < 2500 MPN/100ml < 5000 MPN/100ml
1492 Yamuna At Yamunotri Uttarakhand 31 31 46 46
1494 Yamuna At U/S Of Lakhwar Dam Uttarakhand 19 19 8.4 8.4 7.2 8.1 170 182 0 1 1.1 1.1 54000 54000 0 160000
1490 Yamuna At U/S DakPatthar Uttarakhand 20 20 8.2 8.2 7.4 8.2 176 190 0 1.6 7800 7800 30 11000
1553 Yamuna, U/S Paonta Sahib Himachal Pradesh 16 28 6.2 8.8 7.2 8.6 208 810 0.8 1.4 0.1 0.6 7 13 17 26
1554 Yamuna, D/S Paonta Sahib Himachal Pradesh 17 29 5.8 8.6 7.1 8.7 217 842 1.2 1.6 0.1 0.5 9 12 18 25
1117 Yamuna At Hathnikund Haryana 7.2 7.4 168 284 1 2 0 0.7 24000 24000 54000 54000
1496 Yamuna At Kalanaur, Yamuna Nagar Haryana 7.4 8 198 235 1 4 0 0 330 330 1100 1100
1119 Yamuna At Sonepat Haryana 7.3 8.1 221 526 2 11 0 0.2 170 170 330 330
1120 Yamuna At Wazirabad Delhi 5.5 15.5 7.4 8.8 280 605 1 8 0.1 0.4 780 35000
1121 Yamuna At Nizamuddin Delhi 0.1 2.4 7.1 8.1 585 1950 4 40 1.3 1.3 68000 17000000
1375 Yamuna At Okhla Bridge (Inlet Of Agra Canal) Delhi 0.3 2.6 7.2 8.1 620 1870 7 28 0.1 3.1 150000 5400000
1812 Yamuna At Okhla After Meeting Of Shahdara Drain Delhi 0 2.4 7.2 8.1 1000 1850 13 97 940000 16000000
1497 Yamuna At Mazawali Uttar Pradesh 7.5 8.6 440 665 9 12 0.2 0.2 35000 35000 160000 160000
2495 Yamuna At Kesighat, Vrindavan Uttar Pradesh 24 33 4 6.2 7.1 7.5 147 1440 7.8 9.6 35000 38000 48000 72000
1123 Yamuna At Mathura U/S Uttar Pradesh 7.5 8.8 492 1242 7 10 0.6 2.7 4500 4500 7800 7800
2494 Yamuna At Vishramghat, Mathura Uttar Pradesh 28 38 4.2 5.6 7.5 7.6 1160 2150 8.4 11 44000 70000 70000 120000
1124 Yamuna At Mathura D/S Uttar Pradesh 7.6 8.8 460 1158 7 8 0.7 1.7 7800 7800 13000 13000
1125 Yamuna At Agra U/S, U.P. Uttar Pradesh 7.6 8.7 605 1286 4 9 0.7 1.3 11000 11000 14000 14000
1126 Yamuna At D/S Of Agra, Uttar Pradesh 7.8 9.2 694 1343 7 14 0.5 0.6 11000 11000 17000 17000
2493 Yamuna At Shahpur Uttar Pradesh 27 30 5.4 6.4 7.4 7.6 1180 1430 6.4 8.4 28000 31000 42000 54000
1127 Yamuna At Etawah Uttar Pradesh 7.9 8.7 370 685 1 3 0 0
1069 Yamuna At Allahabad D/S (BaluaGhat) Uttar Pradesh 22 29 7.6 8.4 7.7 8.3 482 553 2.2 3.4 1 1.6 2100 12000 4600 17000